

OBJECTIVE YIELD: Corn, Soybeans, and Spring Wheat, Minnesota, 1997-2001

The Minnesota Agricultural Statistics Service conducts objective yield surveys in the state for corn, soybeans, and spring wheat. Randomly selected plots in fields across the state are visited monthly from August through harvest to obtain specific counts and measurements. Data in these tables are rounded actual counts from these surveys and are not official estimates of the Agricultural Statistics Board, but are intended to show trends in production practices.

CORN FOR GRAIN: Plant Population per Acre 1/

Month	1997	1998	1999	2000	2001
	<u>Number of Plants</u>				
September	26,300	27,750	26,750	27,500	28,050
November	26,600	27,650	26,800	27,150	28,000

CORN FOR GRAIN: Percentage Distributions by Row Width and Average Row Width

Year	Number of Samples	Row Width (Inches) 2/					Average Row Width
		20.6-30.5	30.6-34.5	34.6-36.5	36.6-38.5	38.6 & Greater	
	<u>Number</u>	<u>Percent of Plots</u>					<u>Inches</u>
1997	167	58.6	17.4	10.2	11.4	1.8	31.4
1998	169	62.0	17.2	10.1	7.7	2.4	31.1
1999	162	63.5	19.8	4.3	9.3	3.1	30.6
2000	164	62.3	20.1	6.1	7.3	1.8	30.5
2001	162	66.7	22.2	3.1	4.3	1.2	29.5

SOYBEANS: Pods with Beans per 18 Square Feet 1/

Month	1997	1998	1999	2000	2001
	<u>Number of Pods</u>				
September	1,585	1,598	1,612	1,607	1,492
November	1,506	1,450	1,563	1,507	1,475
Final	1,506	1,442	1,565	1,507	1,475

SOYBEANS: Percentage Distributions by Row Width and Average Row Width

Year	Number of Samples	Row Width (Inches) 2/					Average Row Width 3/
		10.0 & Less 3/	10.1-18.5	18.6-28.5	28.6-34.5	34.6 & Greater	
	<u>Number</u>	<u>Percent of Plots</u>					<u>Inches</u>
1997	97	27.8	28.9	5.1	36.1	2.1	18.8
1998	105	17.6	21.0	15.7	43.8	1.9	22.0
1999	100	22.1	26.1	12.1	33.7	6.0	20.4
2000	95	23.7	19.5	12.1	42.6	2.1	20.8
2001	91	14.8	25.8	17.0	41.9	0.5	21.5

SPRING WHEAT: Heads per Square Foot 4/

Month	1997	1998	1999	2000	2001
	<u>Number of Heads</u>				
September	47.7	45.8	49.0	52.5	49.2
Final	47.8	45.8	49.4	52.5	49.1

1/ Based on counts in plots selected for objective yield samples.

2/ Spacings based on row measurements in sample plots selected for objective yield survey.

3/ Broadcast soybeans included as 10.0 inches and less but excluded in computation of average width.

4/ Based on the number of heads counted in plots selected for the objective yield survey.